AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-23. (canceled)

24. (currently amended) An information recording medium, comprising:

a first recording layer and a second recording layer in which record information can be alternately recorded in an opposite track path manner,

at least one of said first recording layer and said second recording layer comprising: an anchor area which is to record therein anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information; and an update area, which update area is different from the anchor area and whose position is variable, to update-record therein the anchor information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion,

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at least one of said first recording layer and said second recording layer comprises a pointer recording area to record therein four update block sector pointers each of which indicates an address value of the update area in which the anchor information is update-recorded,

at least one of said first recording layer and said second recording layer comprises a flag area to record therein four update block sector effective flags each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the update area.

25. (previously presented) The information recording medium according to claim 24, wherein the update area is included in a user area to record therein the record information.

26. (previously presented) The information recording medium according to claim 24, wherein the update area is included in a border management area to manage the border area.

27. (canceled)

28. (previously presented)   The information recording medium according to claim 24, wherein the pointer recording area is included in a recording management area to manage the recording of the record information.

29. (canceled)

30. (previously presented)   The information recording medium according to claim 24, wherein the flag area is included in a border management area to manage the border area.

31. (previously presented)   The information recording medium according to claim 24, further comprising a position information recording area to record therein position information which indicates a position of the anchor area.

32. (currently amended) An   information   recording apparatus, comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded;

a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner;

a second controlling device for controlling said recording device to update-record anchor information, which is recorded in anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area, whose position is variable, other than the anchor area of at least one of said first recording layer and said second recording layer as the record information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion;

a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded; and

a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area.

33. (previously presented)   The information recording apparatus according to claim 32, wherein said second controlling device controls said recording device to update-record the anchor information into at least one portion of a user data area to record therein the record information.

34. (previously presented)   The information recording apparatus according to claim 33, wherein said second controlling device controls said recording device to update-record the anchor information into the at least one portion of the user data area before closing the border area.

35. (previously presented)   The information recording apparatus according to claim 32, wherein said second controlling device controls said recording device to update-record the anchor information into a border management area to manage the border area.

36. (previously presented)   The information recording apparatus according to claim 35, wherein said second controlling device controls said recording device to update-record the anchor information into the border management area in closing the border area.

37. (canceled)

38. (previously presented)   The information recording apparatus according to claim 32, wherein said third controlling device controls said recording device to record the update block sector pointers into a recording management area to manage the recording of the record information.

39. (previously presented)   The information recording apparatus according to claim 32, wherein

said second controlling device controls said recording device to update-record the anchor information into a recording area which follows a recording area in which the record information is already recorded, in completing the recording of the record information, and

said information recording apparatus further comprises a judging device for judging whether or not the address value indicated by at least one of the update block sector pointers is equal to an address value of a recording area in which the record information is lastly recorded.

40. (canceled)

41. (previously presented)   The information recording apparatus according to claim 32, wherein said fourth controlling device controls said recording device to record the update block sector effective flags into a border management area to manage the border area.

42. (currently amended)   An information recording apparatus, comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded;

a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer an opposite track path manner;

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an anchor information recording device for recording anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information;

an update-recording device for update-recording ~~therein~~ the anchor information into a recording area, whose position is variable, after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion;

a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area in which the anchor information is update-recorded; and

a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded.

43. (currently amended) An information recording method in an information recording apparatus comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded,

said information recording method comprising:

a first controlling process of controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner;

a second controlling process of controlling said recording device to update-record anchor information, which is recorded into anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area, whose position is variable other than the anchor area of at least one of said first recording layer and said second recording layer as the record information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion;

a third controlling process of controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded; and

a fourth controlling process of controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area.

44. (currently amended) An information reproducing apparatus for reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; a second controlling device for controlling said recording device to update- record anchor information, which is recorded in anchor area as being a start point in reading file system information

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for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area, whose position is variable, other than the anchor area of at least one of said first recording layer and said second recording layer as the record information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion; a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded; and a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area,

said information reproducing apparatus comprising:

a first reading device for reading the anchor information which is recorded in the anchor area or which is update-recorded into the recording area other than the anchor area of at least one of said first recording layer and said second recording layer;

a second reading device for reading the file system information on the basis of the read anchor information; and

a reproducing device for reproducing the record information on the basis of the read file system information.

45. (currently amended) An information reproducing apparatus for reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; an anchor information recording device for recording anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information; an update-recording device for update-recording ~~therein~~ the anchor information <u>into a</u>

<u>recording area, whose position is variable,</u> after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion; a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area in which the anchor information is update-recorded; and a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded,

said information reproducing apparatus comprising:

a first reading device for reading the anchor information which is recorded in the anchor area or which is update-recorded into the recording area other than the anchor area of at least one of said first recording layer and said second recording layer;

a second reading device for reading the file system information on the basis of the read anchor information; and

a reproducing device for reproducing the record information on the basis of the read file system information.

46. (currently amended) An information reproducing apparatus for reproducing record information recorded on an information recording medium comprising: a first recording layer and a second recording layer in which record information can be alternately recorded in an opposite track path manner, at least one of said first recording layer and said second recording layer comprising: an anchor area which is to record therein anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information; and an update area, whose position is variable, to update-record therein the anchor information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion, at least one of said first recording layer and said second recording layer comprises a pointer recording area to record therein four update block sector pointers each of which indicates an address value of the update area in which the anchor information is update-recorded, at least one of said first recording layer and said second recording layer comprises a flag area to record therein four update block sector effective flags each of which

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corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the update area,

said information reproducing apparatus comprising:

a first reading device for reading anchor information which is recorded in the anchor area or the update area; and

a reproducing device for reproducing the record information on the basis of the read anchor information.

47. (currently amended) An information reproducing method of reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; a second controlling device for controlling said recording device to update- record anchor information, which is recorded in anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area, whose position is

<u>variable,</u> other than the anchor area of at least one of said first recording layer and said second recording layer as the record information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion; a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded; and a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area,

said information reproducing method comprising:

a first reading process of reading the anchor information which is recorded in the anchor area or which is update-recorded into the recording area other than the anchor area of at least one of said first recording layer and said second recording layer;

a second reading process of reading the file system information on the basis of the read anchor information; and

a reproducing process of reproducing the record information on the basis of the read file system information.

48. (currently amended) An information reproducing method of reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; an anchor information recording device for recording anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information; an update-recording device for update-recording ~~therein~~ the anchor information into a recording area, whose position is variable, after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording

layer whose radius position is substantially same as that of the first area portion; a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area in which the anchor information is update-recorded; and a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded,

said information reproducing method comprising:

a first reading process of reading the anchor information which is recorded in the anchor area or which is update-recorded into the recording area other than the anchor area of at least one of said first recording layer and said second recording layer;

a second reading process of reading the file system information on the basis of the read anchor information; and

a reproducing process of reproducing the record information on the basis of the read file system information.

49. (currently amended) A computer program product in a computer-readable medium for tangibly embodying a program of instructions executable a computer provided for the information recording apparatus, said computer program making the computer function as at least one portion of first controlling device, second controlling device, a third controlling device and a fourth controlling device,

said information recording apparatus, comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded;

said first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner;

said second controlling device for controlling said recording device to update- record anchor information, which is recorded in anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area, whose position is variable, other than the anchor area of at least one of said first recording layer and said second recording layer as the record information after a recording of a border

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area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion;

said third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded; and

said fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area.

50. (currently amended) A computer program product in a computer-readable medium for tangibly embodying a program of instructions executable by a computer provided for the information recording apparatus, said computer program making the computer function as at least one portion of said first controlling device, said anchor information recording device, said update-recording device, said third controlling device and said fourth controlling device,

an information recording apparatus, comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded;

said first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner;

said anchor information recording device for recording anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information;

said update-recording device for update-recording ~~therein~~ the anchor information <u>into a recording area, whose position is variable,</u> after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion;

said third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area in which the anchor information is update-recorded; and

said fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded.

51. (currently amended) A computer program product in a computer-readable medium for tangibly embodying a program of instructions executable by a computer provided for the information reproducing apparatus, said computer program making the computer function as at least one portion of first reading device, second reading device and reproducing device,

said information reproducing apparatus for reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; a second controlling device for controlling said recording device to update- record anchor information, which is recorded in anchor area as being a start point in reading file system information for controlling at least

one of recording and reproduction of the record information and
which is referred to in reading the file system information, into
a recording area, whose position is variable, other than the
anchor area of at least one of said first recording layer and
said second recording layer as the record information after a
recording of a border area is finished, wherein the border area
(i) is a recording unit by which the record information is
alternately recorded and (ii) includes a first area portion in
the first recording layer and a second area portion in the second
recording layer whose radius position is substantially same as
that of the first area portion; a third controlling device for
controlling said recording device to record four update block
sector pointers, each of which indicates an address value of the
recording area other than the anchor area in which the anchor
information is update-recorded; and a fourth controlling device
for controlling said recording device to record four update block
sector effective flags, each of which corresponds to respective
one of the update block sector pointers and each of which
indicates whether or not the anchor information is update-
recorded into the recording area other than the anchor area,

said information reproducing apparatus comprising:

a first reading device for reading the anchor
information which is recorded in the anchor area or which is
update-recorded into the recording area other than the anchor

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area of at least one of said first recording layer and said second recording layer;

a second reading device for reading the file system information on the basis of the read anchor information; and

a reproducing device for reproducing the record information on the basis of the read file system information.

52. (currently amended) A computer program product in a computer-readable medium for tangibly embodying a program of instructions executable by a computer provided for the information reproducing apparatus, said computer program making the computer function as at least one portion of a first reading device, a second reading device and a reproducing device,

said information reproducing apparatus for reproducing the record information recorded on said information recording medium by said information recording apparatus comprising: a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded; a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner; an anchor information recording device for recording anchor information which is referred to in reading file system information for controlling at least one of

recording and reproduction of the record information; an update-recording device for update-recording ~~therein~~ the anchor information into a recording area, whose position is variable, after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion; a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area in which the anchor information is update-recorded; and a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded,

said information reproducing apparatus comprising:

a first reading device for reading the anchor information which is recorded in the anchor area or which is update-recorded into the recording area other than the anchor area of at least one of said first recording layer and said second recording layer;

a second reading device for reading the file system information on the basis of the read anchor information; and

a reproducing device for reproducing the record information on the basis of the read file system information.

53. (currently amended) A computer program product in a computer-readable medium for tangibly embodying a program of instructions executable by a computer provided for the information reproducing apparatus, said computer program making the computer function as at least one portion of said first reading device and said reproducing device,

information reproducing apparatus for reproducing record information recorded on an information recording medium comprising: a first recording layer and a second recording layer in which record information can be alternately recorded in an opposite track path manner, at least one of said first recording layer and said second recording layer comprising: an anchor area which is to record therein anchor information which is referred to in reading file system information for controlling at least one of recording and reproduction of the record information; and an update area, whose position is variable, to update-record therein the anchor information after a recording of a border area is finished, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a

second area portion in the second recording layer whose radius position is substantially same as that of the first area portion, at least one of said first recording layer and said second recording layer comprises a pointer recording area to record therein four update block sector pointers each of which indicates an address value of the update area in which the anchor information is update-recorded, at least one of said first recording layer and said second recording layer comprises a flag area to record therein four update block sector effective flags each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the update area,

said information reproducing apparatus comprising:

said first reading device for reading anchor information which is recorded in the anchor area or the update area; and

said reproducing device for reproducing the record information on the basis of the read anchor information.

54. (new) The information recording medium according to claim 24, wherein

at least one of said first recording layer and said second recording layer comprises: four anchor areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h" , (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

55. (new) The information recording apparatus according to claim 32, wherein

the second controlling device controls said recording device to update- record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h" , (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

56. (new) The information recording apparatus according to claim 42, wherein

the update-recording device update-records the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h" , (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

57. (new) The information recording method according to claim 43, wherein

the second controlling process controls said recording device to update- record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

58. (new) The information reproducing apparatus according to claim 44, wherein

the second controlling device controls said recording device to update- record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

59. (new) The information reproducing apparatus according to claim 45, wherein

the update-recording device update-records the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h" , (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

60. (new) The information reproducing apparatus according to claim 46, wherein

at least one of said first recording layer and said second recording layer comprises: four anchor areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

61. (new) The information reproducing method according to claim 47, wherein

the second controlling device controls said recording device to update-record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

62. (new) The information reproducing method according to claim 48, wherein

the update-recording device update-records the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

63. (new) The computer program product according to claim 49, wherein

the second controlling device controls said recording device to update-record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

64. (new) The computer program product according to claim 50, wherein

the update-recording device update-records the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

65. (new) The computer program product according to claim 51, wherein

the second controlling device controls said recording device to update- record the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) – 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

66. (new) The computer program product according to claim 52, wherein

the update-recording device update-records the anchor information into four recording areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) - 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.

67. (new) The computer program product according to claim 53, wherein

at least one of said first recording layer and said second recording layer comprises: four anchor areas which include (i) an area whose logical block address is "16h", (ii) an area whose logical block address is "256h", (iii) an area whose logical block address is "LRA (Last Recorded Address) - 256h" and (iv) an area whose logical block address is "LRA", and

the "LRA" is variable.